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Substitute for form 1449A/P  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/684,406
Filing Date	October 15, 2003
First Named Inventor	RABIE
Art Unit	1724
Examiner Name	Not yet assigned BRSHEY
Attorney Docket Number	4320-523

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number - Kind Code <sup>2</sup> (if known)				
CUB		US- 4,923,614	05-08-1990	Engelbart	CL	Sub
CUB		US- 5,248,424	09-28-1993	Cote et al.		
CUB		US- 5,639,373	06-17-1997	Mahendran et al.		
CUB		US- 5,783,083	07-21-1998	Henshaw et al.		
CUB		US- 5,910,250	08-08-1999	Mahendran et al.		
CUB		US- 5,922,201	07-13-1999	Yamamori et al.		
CUB		US- 5,844,997	08-31-1999	Pedersen et al.		
CUB		US- 6,042,877	03-28-2000	Mahendran et al.		
CUB		US- 6,245,239	08-12-2001	Cote et al.		
CUB		US- 6,284,135	09-04-2001	Ookata		
CUB		US- 2001/0027851 A1	10-11-2001	Gungerich et al.		
CUB		US- 6,318,411	11-20-2001	Cote		
CUB		US- 6,550,747	04-22-2003	Rabie et al.		
CUB		US- 6,193,890	02-27-2001	Pedersen et al.		
CUB		US- RE37,549 E	02-19-2002	Mahendran et al.		
CUB		US- 5,480,553	01-02-1996	Yamamori et al.		
CUB		US- 6,280,626	08-28-2001	Miyashita et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
CUB		JP 7-185270	07/25/1995	Kurita Water Ind Ltd			
CUB		JP 8-187494	07/23/1996	Kubota Corp.			
CUB		WO 97/06880	02/27/1997	Zenon Environmental Inc.			
CUB		WO 99/29630	06/17/1999	Mitsubishi Rayon Co			Machine
CUB		EP 0937494	08/25/1999	Kubota Corporation			
CUB		JP 07-185271	07/25/1995	Kurita Water Ind Ltd			Machine
CUB		JP 09-220589	08/26/1997	Kubota Corp.			Abstract
CUB		JP 04-265128	09/21/1992	Ebara Inflico Co Ltd.			

Examiner Signature		Date Considered	6-14-04
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/684,406
		Filing Date	October 15, 2003
		First Named Inventor	RABIE
		Art Unit	1724
		Examiner Name	<del>Not yet assigned</del> BUSHEY
Sheet 2 of 3	Attorney Docket Number	4320-523	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
CUB		JP 2641341	01/19/1993	Hitachi Ltd.	—	
CUB		JP 2904564	07/05/1996	Japan Organo Co Ltd.	—	
CUB		JP 2946072	12/11/1996	Mitsubishi Rayon Co Ltd.	—	
CUB		JP 06-057302	01/31/1985	Nippon Atom Ind Group Co.	—	
CUB		JP 08-004722	09/21/1992	Ebara Corporation	—	
CUB		JP 4180821	06/29/1992	Ebara Inflico Co Ltd.	—	
CUB		JP 4256425	09/11/1992	Nihon Miripoa Kougiyou KK	—	
CUB		JP 7251042	10/03/1995	Kubota Corp.	—	✓ Abstract
CUB		JP 08-323161	12/10/1996	Hitachi Plant Eng.	—	✓ Machine
CUB		JP 7100486	04/18/1995	Mitsubishi Rayon Co Ltd	—	✓ Abstract
CUB		JP 61107905	05/26/1986	Toshiba Corp	—	✓ Abstract
CUB		DE 3318412 A1	11/22/1984	Menzel GMBH & Co.	—	
CUB		JP 01-168304	07/03/1989	Kubota Ltd.	—	
CUB		English language abstract of JP 01-168304	07/03/1989	Kubota Ltd.	—	

Examiner Signature	<i>CUB</i>	Date Considered	6-14-04
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		Application Number	10/684,406
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Filing Date	October 15, 2003
		First Named Inventor	RABIE
		Art Unit	1724
		Examiner Name	Not yet assigned BUSHEY
		Attorney Docket Number	4320-523
Sheet	3	of	3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CB		"Summons to Oral Proceedings", regarding European Patent application No. 99 947 155.0, dated May 27, 2003	
CB		English translation of Official Action regarding Japanese Patent Application No. 2000-575802, dated May 28, 2003	
CB		International Preliminary Examination Report regarding International Application No. PCT/CA99/00940, dated February 9, 2001	
CB		Written Opinion regarding International Application No. PCT/CA99/00940, dated November 7, 2000	
CB		Written Opinion regarding International Application No. PCT/CA99/00940, dated July 14, 2000	

Examiner Signature		Date Considered	6-14-04
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